

**CONSTANT RUNOUT VALVE (CRO) MOCKUP MK 7, MOD 3, DEVICE 2H118****TRAINING CATEGORY:**

AVIATION (Aircraft Recovery Equipment)

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION:

Device 2H118 is unclassified.

PURPOSE:

To demonstrate the operation of the CRO valve and its effect upon the fluid from the arresting gear cylinder to accumulator during arrestment.

INTENDED USE:

In Aviation Boatswain's Mate Equipment School for classroom training of enlisted personnel with varying degrees of proficiency in operation and maintenance of equipment used in the recovery of aircraft on an aircraft carrier.

FUNCTIONAL DESCRIPTION:

Device 2H118 is a 3/4 scale model of a Constant Runout Valve (CRO) that can be mechanically operated to demonstrate the valve in the three modes of operation. The valve body is strategically cutaway to reveal the internal components movement during operation. The cam is chain driven by a small electrical motor turning the sprocket drive. The instructor can demonstrate the CRO operation for: Battery, Engagement-Arrestment, Retraction, through pushbuttons located adjacent to the CRO graphic illustration. Pilot lights indicate the mode of operation. The CRO valve assembly is mounted on a steel frame complete with casters for ease of moving the trainer within the classroom. The trainer has a circuit breaker and a 25' electrical cable with plug for connecting to an outside power source.

PHYSICAL INFORMATION:

Number of Pieces: One (1) stand assembly

Size: 78" High x 34" Deep x 72" Long

Weight: 906 lbs.

DIRECTORY OF NAVAL TRAINING DEVICES

POWER REQUIREMENTS:

120 VAC, 60 Hz, 0.5 amp capacity outlet

PUBLICATIONS FURNISHED:

Operations and Maintenance Guide, Constant Runout Valve (CRO) Mockup, MK 7, MOD 3, Device 2H118, NAVTRASYS-CEN, P-5353-2 (U).

PERSONNEL:

Instructor: One (1), Chief or 1st Class PO graduate of Aviation Boatswain's Mate Equipment School with actual experience onboard an aircraft carrier.

Operator: Instructor-Operated.

Trainees: Class of up to 50

Maintenance: One (1) hour per 150 hour utilization. (Approximately every 2 months of use)

CONTRACT IDENTIFICATION:

Manufactured by United Scale Models Southwest, Inc., Houston, TX under NAVTRASYS-CEN, Orlando, FL Contract No. N61339-86-C-0136.

LOCAL STOCK NUMBER:

6910-LL-C00-6831